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The reaction of aminolysis of polyethylene sebacate with hexamethylene diamine was investigated. As a result of the reaction there takes place an exchange of the ethylene glycol residues with hexamethylene diamine residues with formation of polyamide esters or polyamides dependent on the ratio of the raw materials. (Author)

(Chemistry--Organic, TT, v. 5, no. 3)

60-18385

1. Esters--Decomposition
2. Amide polymers--Synthesis
I. Korshak, V. V.
II. Title: Heterochain...

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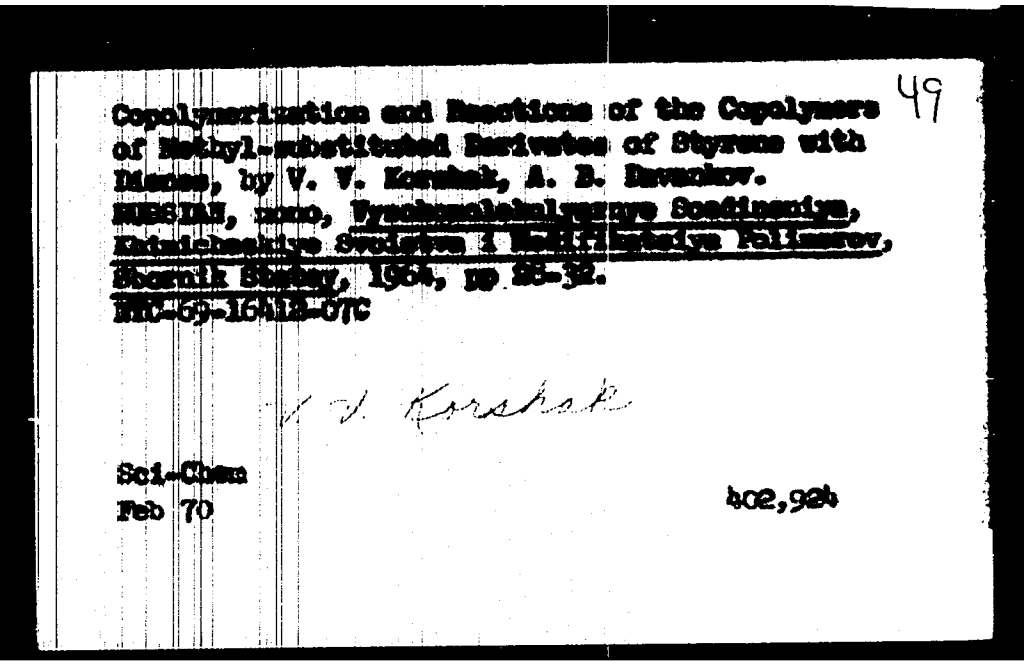

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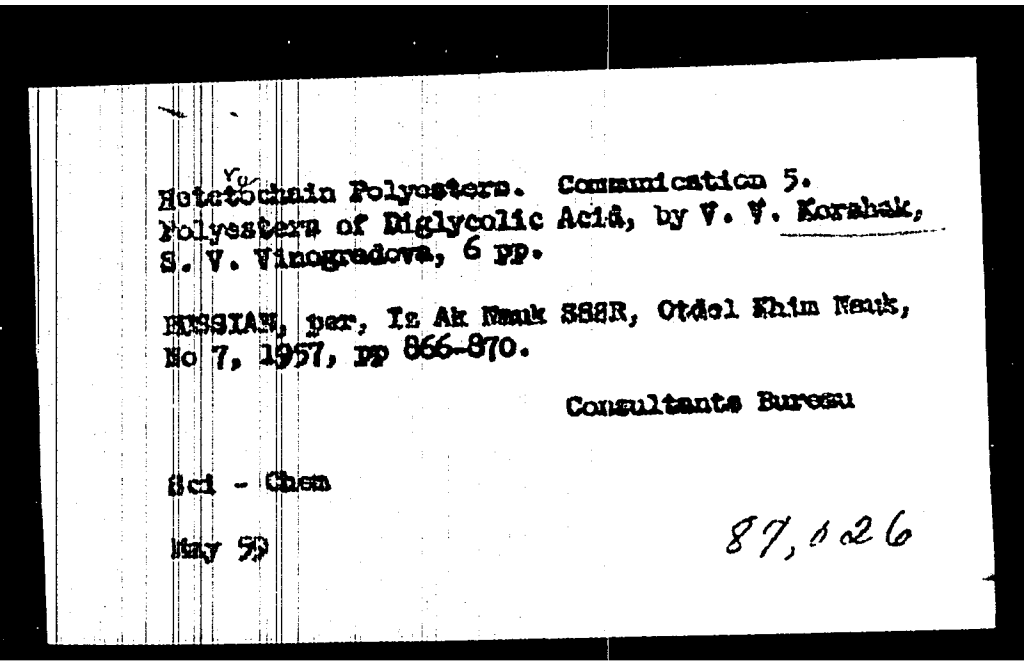

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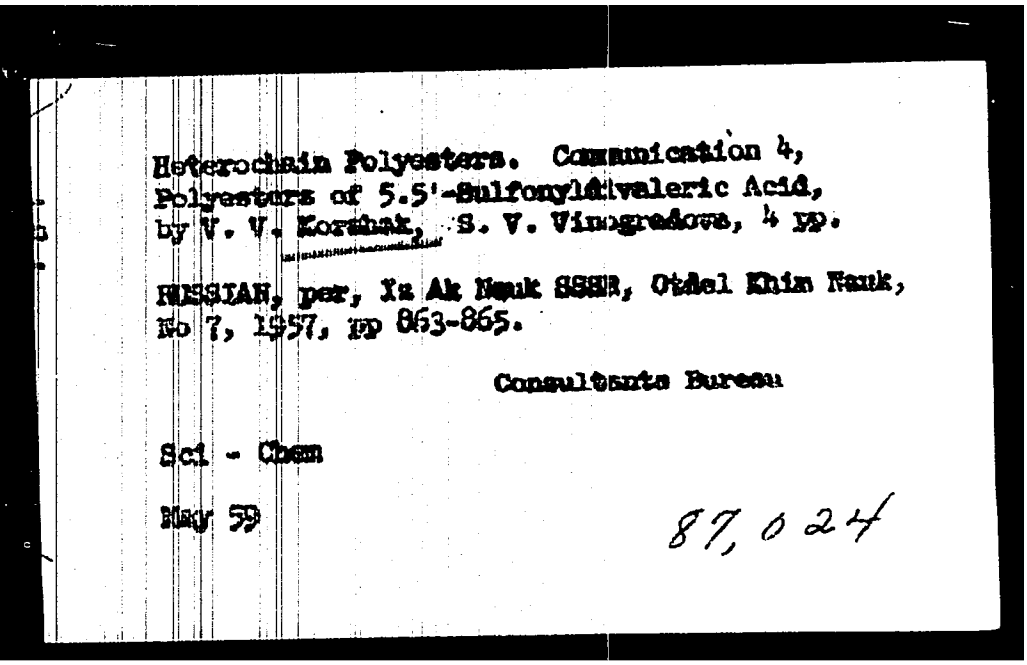

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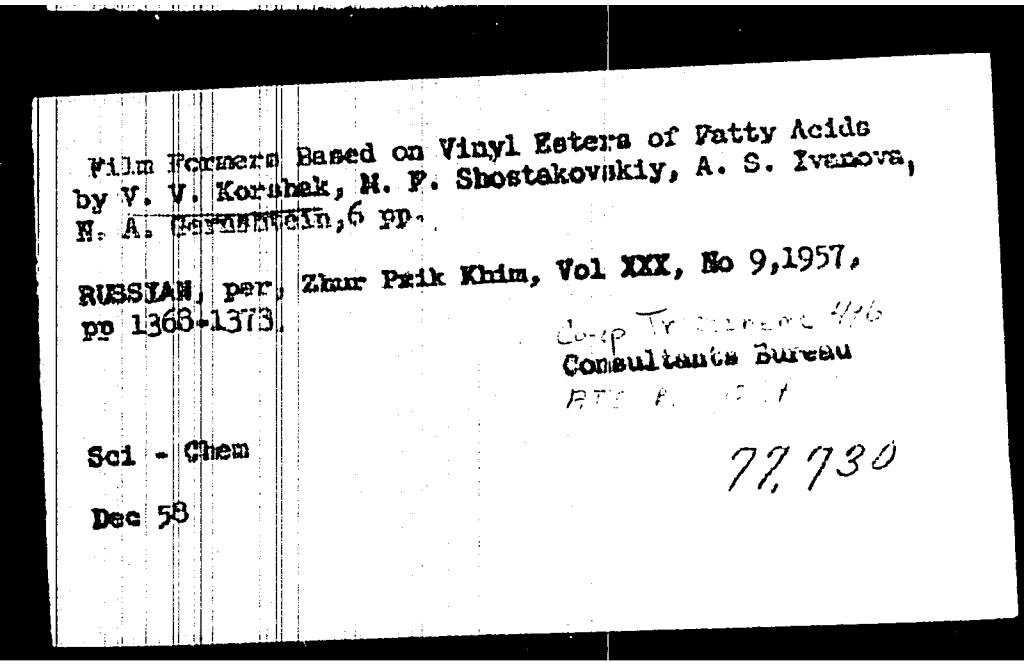

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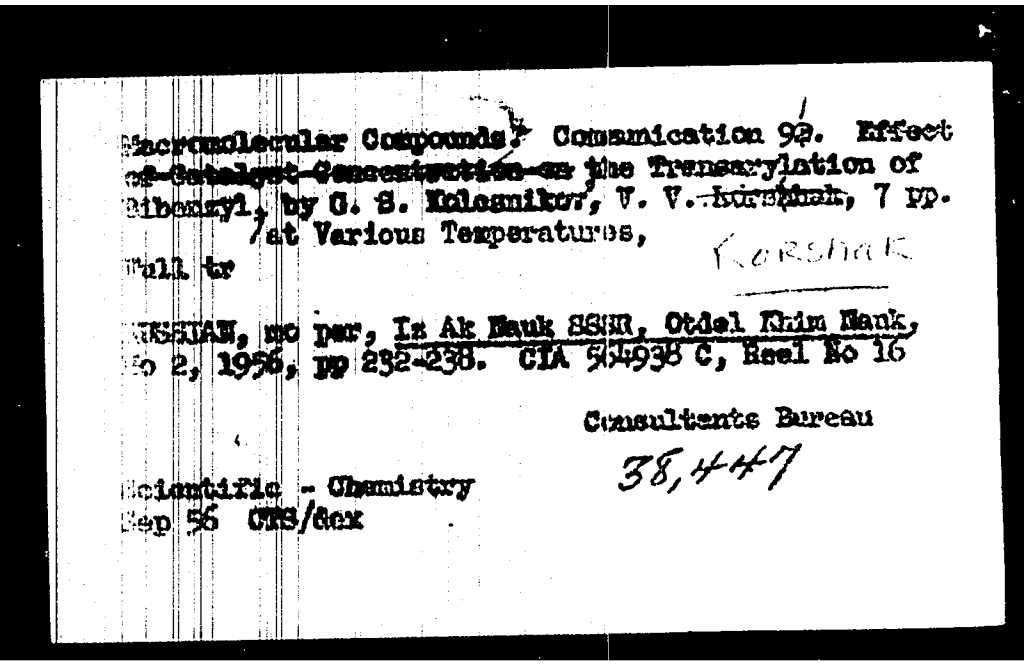

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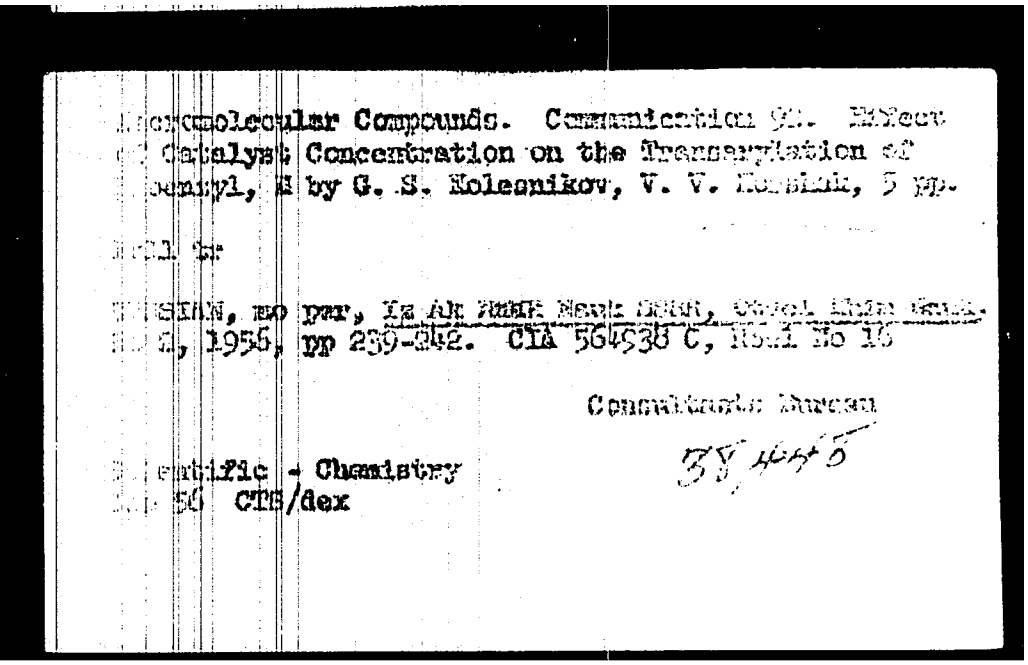

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APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200830011-3

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High-Molecular Compounds, XCIV. Polyesters of Trimethylene and Pentamethylene Glycols, by V. V. Korshak, S. V. Vinogradova, 4 pp.

Full tr

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High-Molecular Compounds. § 2 XCVII. Dependence of the Properties of Mixed Polyamides on the Number of Hydrogen Bonds, by V. V. Korshak, and T. M. Frunze, 4 pp.

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High-Molecular Compounds, XXV. The Polyesters of Thiodivaleric Acid by V. V. Korshak and S. V. Vinogradova, 4 pp.

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High-Molecular Compounds. XCVII. The Polymerization and Copolymerization of some Silicoolefins, by V. V. Korshak, A. D. Petrov, N. G. Matveeva, V. F. Mironov, G. I. Nikitin, S. I. Sadykh-Zade, 4 pp.

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Full translation.

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Full translation.

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Macromolecular Compounds. Communication 71. Polycondensation of 1,2-Chloroethane with Chlorobenzene in Presence of Aluminum Chloride, by G. S. Kolesnikov, V. V. Korshak, L. S. Fedorova, 6 pp.

Full translation.

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Full translation.

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Properties of Mixed Polyamides Prepared by Polycondensation of Binary Systems, by V. V. Korshak, T. M. Frunze.

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RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 6, Nov/Dec 1955, pp 1095-1099, CIA 54276h C, reel 3.

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Macromolecular Compounds. Communication 78. Dependence of the Properties of Aliphatic Polyamides Having "Odd" Repeating Units on the Structure of the Repeating Unit, by V. V. Korshak, T. M. Frunze, 4 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk, Otdel Khim Nauk, No 4, Jul/Aug 1955, pp 762-765. CIA C 4476

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High-Molecular Weight Compounds. Part 79. Polycondensation Products of Dialdehydes and Diketones With Diamines and Glycols, by V. V. Korshak, S. V. Vinogradova,.

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High-Molecular Weight Compounds. Part 81. Mixed Polyamides Containing Either Glutaric or Pimelic Acid, by V. V. Korshak, T. M. Frunze.

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Evaluation of Fire Hazards in Combustible Liquids, by M. G. Godzfiello, Z. V. Korshak.

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Investigation by the Ultracentrifuge Sedimentation Method of the Molecular Weight Distribution Function of Polyamides. Communication 2. Molecular Weight Distribution of Polyamides, and the Mechanism of Polycondensation, by S. E. Bresler, V. V. Korshak, S. A. Pavlova, P. A. Finogenov, 8 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 2, 1954, pp 354-361. CIA D 151309

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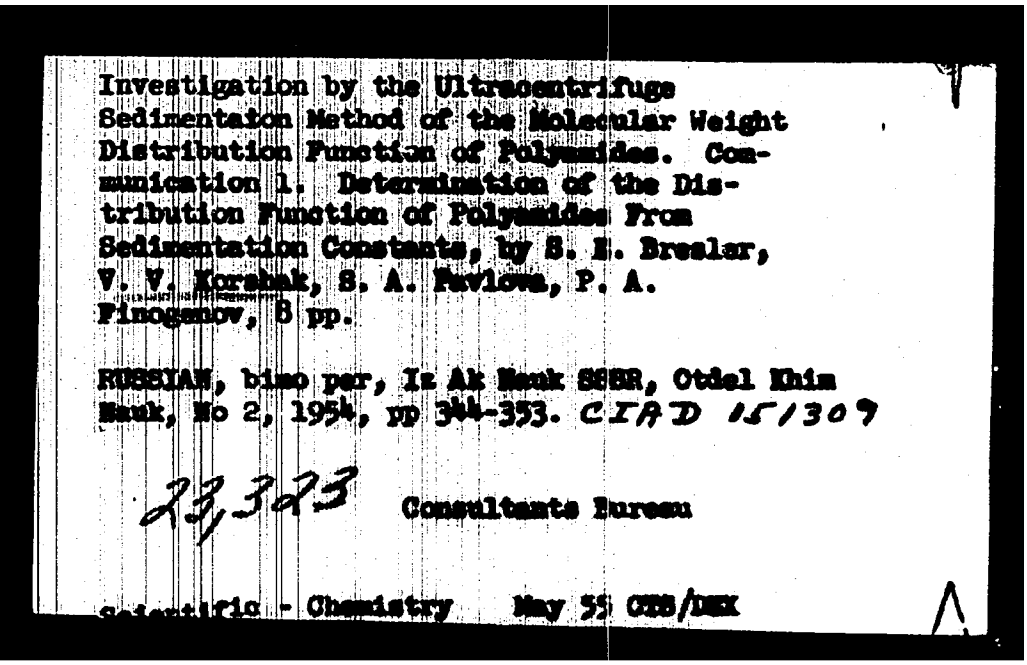

Investigation by the Ultracentrifuge Sedimentation Method of the Molecular Weight Distribution Function of Polyamides. Communication 1. Determination of the Distribution Function of Polyamides From Sedimentation Constants, by S. E. Bresler, V. V. Korshak, S. A. Pavlova, P. A. Pinogenov, 8 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 2, 1954, pp 344-353. CIAD 15/1309

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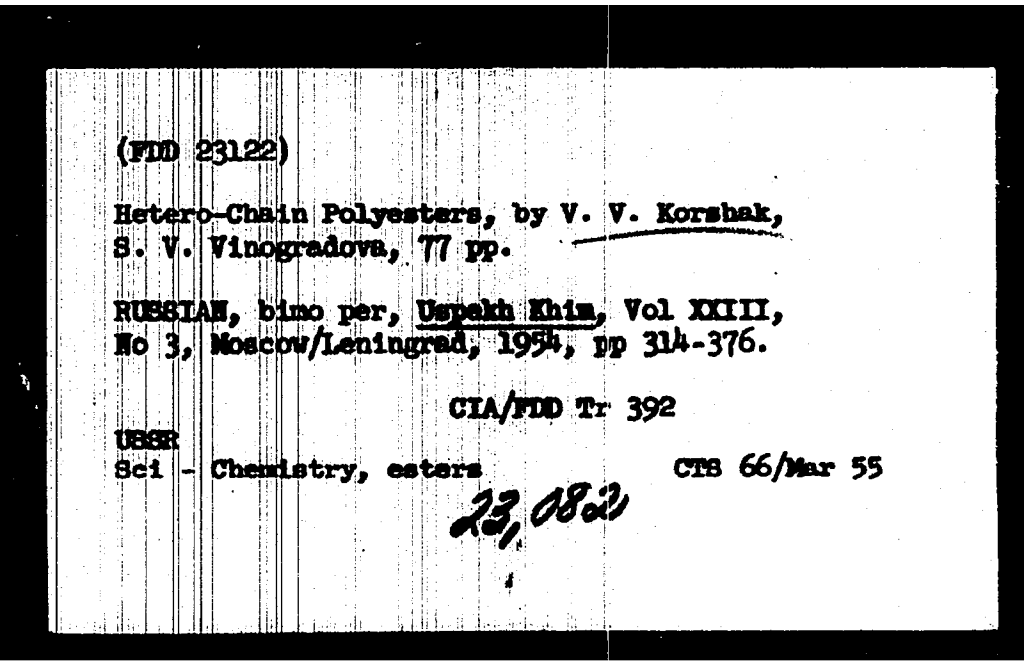

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Dependence of Properties on Chain Structure in the Polyesters of Decarboxylic Fatty Acids and Glycols, by V. V. Korshak, et al.

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Macromolecular Compounds. Communication 61. Reactions of Polyester Macromolecules, by V. V. Korshak, S. V. Vinogradova, 4 pp.

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Macromolecular Compounds. Communication 61. Decarboxylation of Dicarboxylic Acids During Polycondensation, by V. V. Korshak, S. V. Rogozhin, 6 pp.

Full translation.

RUSSIAN, bimo per, Iz Akad Nauk SSSR, Otdel Khim Nauk, No 3, USSR, May-Jun 1954, pp 541-549. CIA D 151316

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Macromolecular Compounds. Communication 63. Effect of Various Factors on the Copolymerization of Diisocyanates and Glycols, by V. V. Korshak, I. A. Gribova, 9 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 3, USSR, May-Jun 1954, pp 550-561. CIA D 151316

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High Molecular Compounds. Communication 66. Investigation of the Kinetics of Copolymerization of Diisocyanates With Glycols, by V. V. Korshak, I. A. Gribova, 6 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 4, USSR, 1954, pp 670-676. CIA D 151337

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High Molecular Compounds. 64. The Polycondensation of the Ethyl Ester of D,L-Alanine, by V. V. Korshak, K. T. Poroshin, T. D. Kozarenko, 6 pp.

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APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200830011-3

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Korshak, V. V., and Gribova, I. A.
EXAMINATION OF THE KINETICS OF COPOLYMERIZATION OF DIISOCYANATES WITH GLYCOLS
[1960] 16p. 4 refs. M 1880.
Order from: LC or SLA mi$2.40, ph$3.30 61-13203

Trans. of [Akademiya Nauk SSSR. Otdeleniye Khimicheskikh Nauk. Izvestiya] 1954, no. 4 [p. 670(?)-676(?)].

The kinetics of the reaction of the joint polymerization of diisocyanate diphenylmethane with tetramethyleneglycol at the temperatures 145° and 155°C in a solution of nitrobenzene at solution concentrations of 0.352 and 0.0703 mol/l was investigated. The speed of growth of the molecular weight of polyurethane in the time for joint polymerization of diisocyanate diphenylmethane with tetramethyleneglycol, was studied. With a growth of concentration of the initial substances and with increasing temperatures, the speed of reaction of joint polymerization of (Chemistry - Organic, TT, v. 5, no. 7) (over)

61-13203

1. Copolymerization--Analysis
2. Glycols--Polymerization
3. Isocyanates--Polymerization
I. Korshak, V. V.
II. Gribova, I. A.
III. DSIR LLU M 1880

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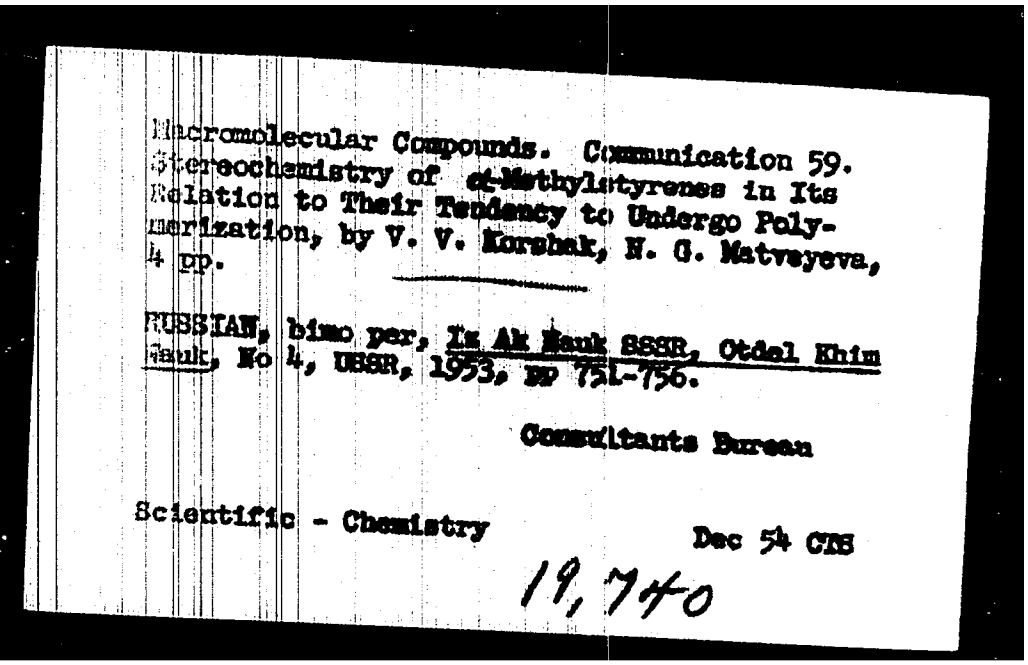

Macromolecular Compounds. Communication 59. Stereochemistry of α-Methylstyrenes in Its Relation to Their Tendency to Undergo Polymerization, by V. V. Korshak, N. G. Matveyeva, 4 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 4, USSR, 1953, pp 751-756.

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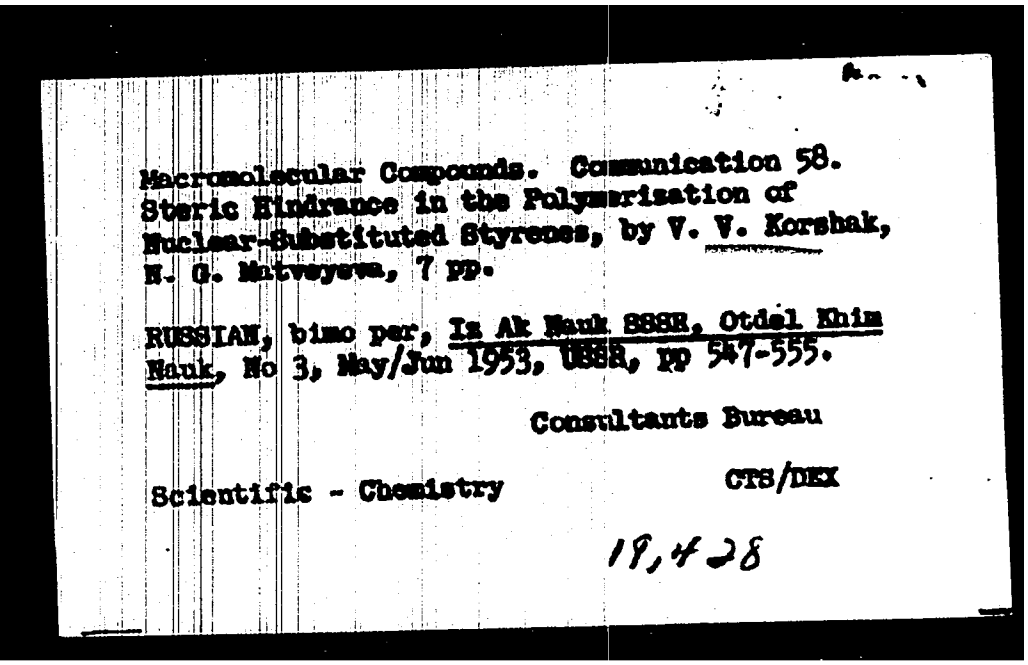

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Macromolecular Compounds. Communication 55. Application of Interchain Exchange Reactions in Linear Polycondensation Processes, by S. R. Rafikov, V. V. Korshak, G. N. Chelnokova, 6 pp.

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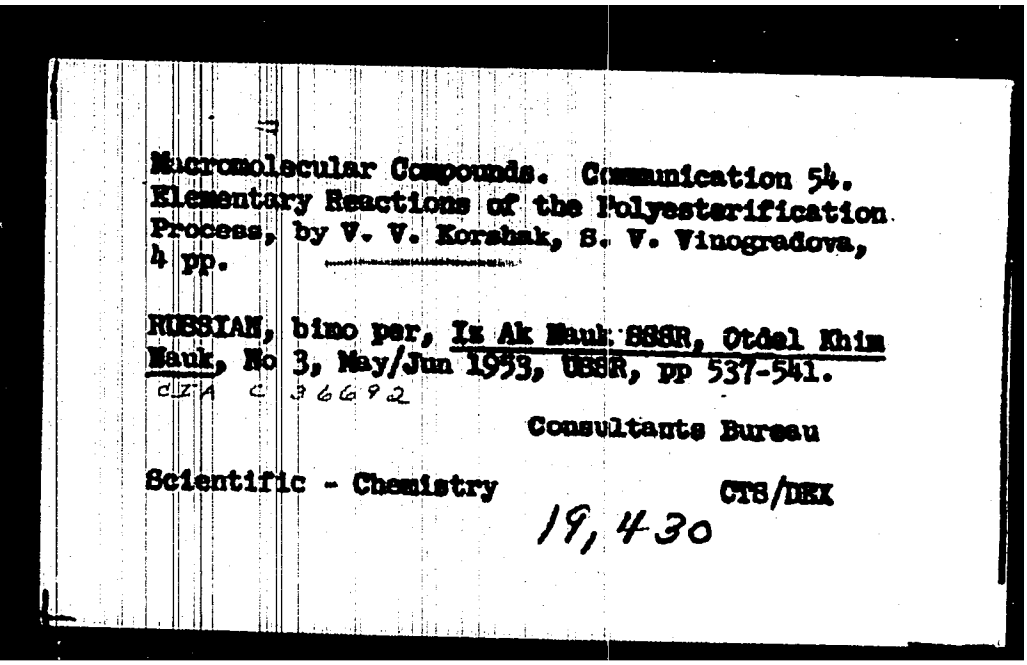

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by the Use of Deuterium, by D. M. Kursanov,
V. V. Korshak, S. V. Vinogradova, 4 pp.

Full translation.

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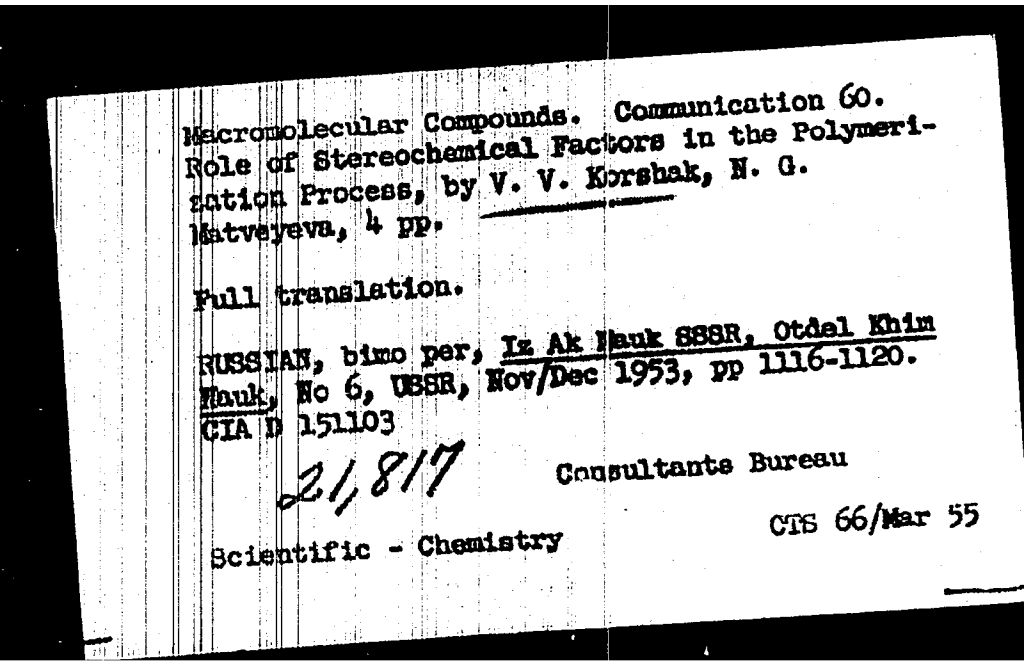

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Full translation.

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Macromolecular Compounds. Communication 62. Polycondensation of Acid Esters of Adipic Acid With Various Glycols, by V. V. Korshak, S. V. Vinogradova, 4 pp.

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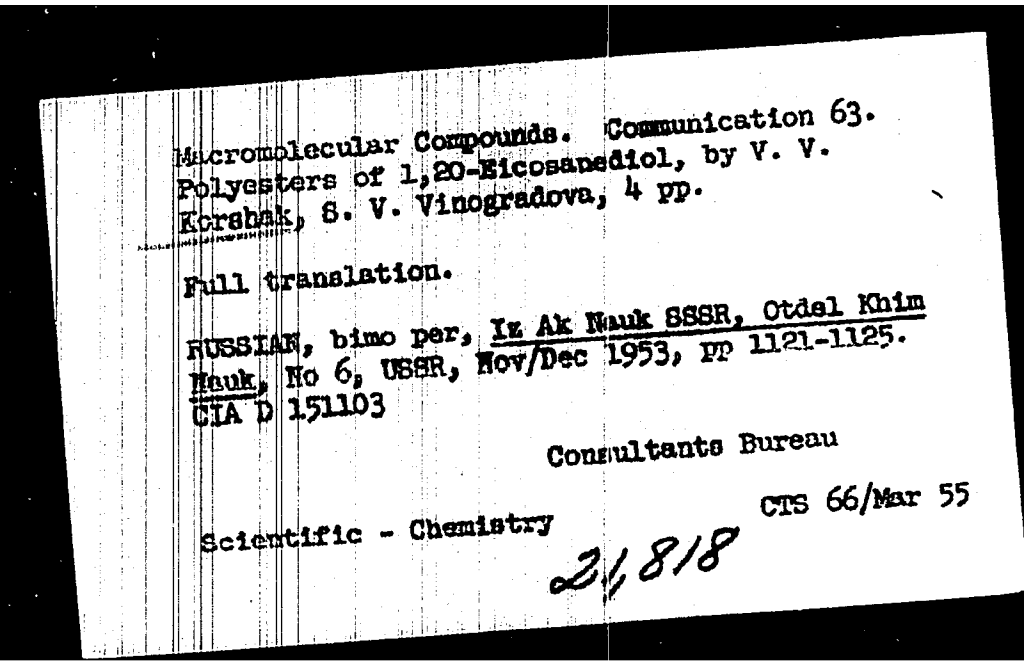

Macromolecular Compounds. Communication 63. Polyesters of 1,20-Eicosanediol, by V. V. Korshak, S. V. Vinogradova, 4 pp.

Full translation.

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Full translation.

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Full translation.

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